

IN THE UNITED STATES OF AMERICA PATENT AND TRADEMARK OFFICE

APPLICANTS: Tianhong Cui, Jing Wang & Yongjun Zhao

SERIAL NO.: 10/648,927

FILING DATE: August 27, 2003

TITLE: Polymer Based Tunneling Sensor

DOCKET NO.: 16675/97145-00

CERTIFICATE OF MAILING

Date of Deposit: December 8, 2003

I hereby certify that the following attached paper or fee:

- Information Disclosure Statement (6 pgs.);
- Copies of Cited Non-Patent References 22 References;
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Tina G. Matz



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COMMISSIONER FOR PATENTS P.O. BOX 1450

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INFORMATION DISCLOSURE STATEMENT

The following sections are being submitted for this Information Disclosure Statement:

- 1. Preliminary Statements
- 2. FORM PTO -1449 (Modified)
- 6. Copies Of Listed Information Items Accompanying This Statement
- 9. Concise Explanation Of English Language Listed Information Items (Optional)
- 10. Identification Of Person(s) Making This Information Disclosure Statement

Section 1. Preliminary Statements

Applicant submits herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

PTO/SB/08a (06-03) Approved for use through 07/31/2003. OMB 0651-0031

1 0 2003 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ection of information unless it congins a valid OMB control number. Complete if Known Spheritute for (Griff 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/648,927 Filing Date August 27, 2003 First Named Inventor Tianhong Cui, et al Art Unit **Examiner Name**

(Use as many sheets as necessary) Attorney Docket Number | 16675/97145-00 Sheet

	-		U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	P:∌ges, Columns, Lines, Where Rulevant Passages or Relevant Figures Appear
		^{US-} 5,502,667	03/26/1996	Bertin, et al	
		l ^{us-} 5.563.344	10/08/1996	Kaiser, et al	
		^{us-} 5,587,128	12/24/1996	Wilding, et al	
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		FOREIGN F	ATENT DOCL	IMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁸ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute to	Dorat 1449B/PTO		-		Complete If Known	
				Application Number	10/648,927	
	rmation			Filing Date	August 27, 2003	
STAT	ement B	y appli	Cant	First Named Inventor	Tianhong Cui, et al	
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Sheet	2	of	4	Attorney Docket Number	16675/97145-00	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	l	ROOS, N., LUXBACHER, T., GILSNER, T., PFEIFFER, K., SCHULZ, H. & SCHEER, HC.; Nanoimprint Lithogovith a Commercial 4 Inch Bond System for Hot Embossing, Presented at SPIE'S Microlithography, 27-28 February 2001, Santa Clara, CA	jraphy
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Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translution is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute	449B/PTO				Complete If Known	
				Application Number	10/648,927	
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stat	ement by	/ Appli	Cant	First Named Inventor	Tianhong Cui, et al	
				Art Unit		
	(Use as many sheets	as necessary)		Examiner Name		
Sheet	3	of	4	Attorney Docket Number	16675/97145-00	

		NON PATENT LITERATURE DOCUMENTS	
niner Is*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	^	BASKI, A., ALBRECHT, T. & QUATE, C.; Tunnelling Accelerometer; Journal of Micro-Scopy, 152; pgs. 73-76, 1988	
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Signature	Considered	

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Substitute Gra	00171846B/PTO		<u>-</u>		Complete if Kn wn	
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		NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	1	HIRANO, T., FURUHATA, T., GABRIEL, K. & FUJITA, H.; Design, Fabrication, and Operation of Submicr Gap Comb-Drive Microactuators; Journal of Microelectromechanical Systems, Vol. 1; March 1992; pgs. 5
	/	PATTERSON, P., HAN, D., NGUYEN, H., TOSHIYOSHI, H., CHAO, R. & WU, M.; A Scanning Micromitror v Anular Comb Drive Actuation; 15th IEEE International Conference on Microelectromechanical Systems, 2 pgs. 544-547
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Section 6. Copies of Listed Information Items Accompanying This Statement

Copies of cited references listed are attached.

Section 9. Concise Explanation Of English Language Listed Information Items (Optional)

Section 10. Identification of Person(s) Making THIS INFORMATION DISCLOSURE STATEMENT

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file.

Reg. No.: 38,882

Tel. No.: (225) 248-2106

LANCE A. FOSTER

JONES, WALKER, WAECHTER, POITEVENT,

CARRÈRE & DENÈGRE, L.L.P. 4TH FLOOR, FOUR UNITED PLAZA 8555 UNITED PLAZA BOULEVARD BATON ROUGE, LOUISIANA 70809